

**STABILIZERS AND ANTI-FADE AGENTS FOR USE  
IN INFRARED SENSITIVE LEUCO DYE COMPOSITIONS**

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**ABSTRACT OF THE DISCLOSURE**

Compositions and methods for production of color images having increased light stability and reduced browning are described. The color forming composition can include a leuco dye, an infrared absorber, and at least one of a stabilizer and an anti-fade agent. The color forming compositions can be stabilized such that less than about a 30% decrease in optical density occurs over a three year period. The stabilizers can include chroman, thiolane-nickel complexes, spiroindanes, while suitable anti-fade agents can include vitamin E, vitamin E analogs, astaxanthin, chroman, ascorbic acid, carotene, and mixtures thereof. The color forming compositions are ambient light stable and are useful in forming images on a wide variety of substrates such as optical disks.

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